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Spinning and Twisting Machines of the German Industries
Fair, Hanover, 1956, by O. Reinhardt.

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Approximate Method for the Rapid Design of
Turbochargers for 2-Stroke Diesel Engines, by
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New Refractory Materials, by F. Reinhart.

GERMAN, par, Glas-Email-Keramo-
Technik, Vol IX, No 9, 1958, pp 327-329.

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Sci - Phys
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Treatment and Use of Vermiculite, by
F. Reinhart.

GERMAN, per, Sprechsaal fuer Keramik,
Glas, Email, Vol LXXXVIII, No 8, 1952,
pp 170-172.

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Sci - Phys
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Photo-Sensitive Glass Conclusion, by F. Reinhart.

GERMAN, per, Glas-Email Keramo-Technik, Vol VII, Jan
1956, pp 208-210.

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New Refractory Materials, by P. Reinhart.

GERMAN, par, Glas-Email-Keramo-
Technik, Vol IX, No 9, 1958, pp 327-329.

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Sci - Phys
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Ferrites, by F. Reinhart, 7 pp.

GERMAN, per, Sprechsoal fur Keramie-Glas-Email,
Vol LXXXVII, 1954, pp 416-417, 451-453.

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Sci - Chemistry

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Reinhart, Hans.
GRINDING OF HARD METALS (CARBIDES) WITH
DIAMOND GRINDING WHEELS. [1962] 13p. (figs.
omitted) 4 refs.
Order from SLA \$1.60 62-16840

Trans. of Werkstatt und Betrieb (West Germany)
1961, v. 94, no. 8, p. 529-533.

DESCRIPTORS: *Carbides, Metals, *Grinders,
*Diamond wheels.

Diamond grinding wheels bonded with bronze were
advantageously sharpened with ceramic bonded
carborundum honing stones. A requirement was
recognized that the grains of the hone must be some-
what coarser than those of the diamond used in the
apparatus. The rule of thumb for figuring the grain
number of the hone in the usual diamond designations
of the German Language according to DIN848 (aver-
(Machinery, Fabrications and Accessory Equipment,
TT, v. 8, no. 9) (over)

62-16840

I. Reinhart, H.

0826024

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The Retardation Curves of Rotating Machines and
Their Evaluation, by Fritz Reinhardt.

GERMAN, per, Elektrotechnische Z, Vol LVII, No 11,
1936, pp 297-301.

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Innovations for Improving the Regularity of
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G. Reinhardt.

GERMAN, per, Melland Textilberichte,
No 6, 1955, pp 624-626.

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Jun 62

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On the Densest Lattice Packing of Congruent
Regions in a Plane and a Special Kind of Convex
Curve, by K. Reinhardt. 109

GERMAN, per, Abh. aus den Math. Seminar der
Hamburgischen Univ, Vol 10, 1934, pp 216-230.

May APL/JNU T-1977
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K. Reinhardt

Sci/Mathematical
Mar 67

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A Comparison of the Sensitivities of
Different Methods of Measurements for Radio
Carbon, by M. Reinharz, G. Rohringer, E.
Broda, 4 pp.

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No 3, 1954, pp 285-288.

A.E.R.E. Harwell No 458

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Sci - Physics, radioactive substances
Economic 31,964

Production of Lubricants From Solid
Paraffin Hydrocarbons of the Fischer-Tropsch
Synthesis (Normal-Pressure Synthesis)
Using Their Olefin-Rich Cracking Distil-
lates, by Herbert Koch, HEK Reinhold,
22 pp.

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Vol XXI, No 15, 1954, pp 169-177.

IE SLA 60-18404

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ALFRED REINHOLD, 18 PP.

GERMAN, PER SOZ-ARCHIV, VOL. XIV, NO 6, MAR 63,
PP 88-93.

JPRS 19628

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JUN 63

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WEST GERMAN OBSERVATIONS ON EAST GERMAN
STATISTICS, BY ALFRED REINHOLD, 13 PP.
GERMAN, PER, SOZ ARCHIV, VOL XIII, NO 21,
PP 322-326.

JPRS 17542

EEUR - GERMANY
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FEB 63

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Soil Cement in Germany, by F. Reinhold, 7 pp.

Full translation.

GERMAN, book, Beobachtungen an Betonfahrbahndecken.
Kirschbaum Verlag, 1952, pp 73-75.

S.L.A.

Scientific - Engineering

Aug 55

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Contribution to Congenital Block Vertebra
Formation and Shovelers' Disease of the Cervical
Spinal Column, by H. Reinhold, R. Sauerbrey,
8pp
GEBW, per, Fortschritte Medizin, Vol 92,
1959, No 5, pp 645-648
SIA TT-65-10806

H. Reinhold

Sol - Hiel
June 67

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Reinhold, H. and Mohring, H.
CONDUCTION OF ELECTRICITY AND DIFFUSION
IN SEMIMETALLIC ALLOYS. I. $\text{Cu}_2\text{-xSe}$. [1962] 12p.
(Figs. omitted) 33 refs.
Order from SLA \$1.60

62-20246

Trans. of Z[schrift für] Physik[allische] Chem[ie],
Leipzig] (Germany) 1937, v. 388, p. 221-244.

DESCRIPTORS: *Electrical conductance, *Diffusion,
Alloys, *Copper alloys, *Selenium alloys, *Semicon-
ductors, Thermoelectricity

(Physics--Solid State, TT, v. 10, no. 1)

62-20246

I. Reinhold, H.
II. Mohring, H.
III. Title: $\text{Cu}_2\text{-xSe}$

62-20246

Office of Technical Services

Reinhold, H., Rood, M. de, and Kenis, Y.
COMBINED EFFETS ON ANGIOTENSIN AND CYCLO-
PROPANE ON HEART RHYTHM (Effets Combines de
l'angiotensine et du Cyclopropane sur le Rythme
Cardiaque). Paper presented at the World Congress of
Anesthetists (no. 2) Toronto, 4-10 Sep 60. [1962]
14p. 23 refs.

Order from SLA \$1.60

62-16114

Trans. of Acta Anaesth[esiologica] Belg[ica] 1960, v. 11
[no. 2] p. 163-176.

DESCRIPTORS: *Vasomotor drugs, Epinephrine,
*Anesthesia, Blood pressure, *Heart, *Rhythm,
*Hypertension, *Propanes.

Sixty hypertensive tests were conducted on 12 dogs
anesthetized with cyclopropane, with equipotent doses
of these two vasopressor substances. Examination of
the electrocardiographic tracings has demonstrated
(Biological Sciences--Pharmacology, TT, v. 9, no. 3)
(over)

62-16114

I. Reinhold, H.
II. Rood, M. de
III. Kenis, Y.
IV. Title: World...

C227517

Office of Technical Services

Reinhold, H. and Branninger, Helmut.
ELECTRICAL CONDUCTIVITY AND DIFFUSION IN
SEMIMETALLIC ALLOYS. III. Cu_{2-x}Te . [1962] 18p.
(figs. omitted) 11 refs.
Order from SLA \$1.60

62-20248

Trans. of Zeitschrift für Physik[alische] Chem[ie],
Leipzig (Germany) 1938, v. 41B, p. 397-426.

DESCRIPTORS: *Copper alloys, *Tellurium alloys,
*Semiconductors, *Electrical conductance, *Diffusion,
Thermoelectricity.

The specific conductivities of the semimetallic alloys
of the compositions $\text{Cu}_{1.95}\text{Te}$, $\text{Cu}_{1.87}\text{Te}$, $\text{Cu}_{1.80}\text{Te}$
and $\text{Cu}_{1.71}\text{Te}$ were measured in the temperature range
from -400° to -180°C in dependence on the prelimi-
nary thermal treatment of the alloys. They are of the
order of magnitude of 10^3 to $10^4 \text{ ohm}^{-1} \text{ cm}^{-1}$. The
thermoelectric powers of the cells: Pt Cu_{2-x}Te were
(Physics--Solid State, TT, v. 9, no. 8) (over)

62-20248

I. Reinhold, H.
II. Branninger, H.
III. Title: Cu_{2-x}Te

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Office of Technical Services

Reinhold, H., Rood, M. de, and Kenis, Y.
COMBINED EFFETS ON ANGIOTENSIN AND CYCLO-
PROPANE ON HEART RHYTHM (Effets Combines de
l'angiotensine et du Cyclopropane sur le Rythme
Cardiaque). Paper presented at the World Congress of
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14p. 23 refs.

Order from SLA \$1.60

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(over)

62-16114

I. Reinhold, H.
II. Rood, M. de
III. Kenis, Y.
IV. Title: World ...

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Reinhold, H., Rood, M. de, and Kenis, Y.
COMBINED EFFETS ON ANGIOTENSIN AND CYCLO-
PROPANE ON HEART RHYTHM (Effets Combines de
l'angiotensine et du Cyclopropane sur le Rythme
Cardiaque). Paper presented at the World Congress of
Anesthetists (no. 2) Toronto, 4-10 Sep 60. [1962]
14p. 23 refs.

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(Biological Sciences--Pharmacology, TT, v. 9, no. 3)
(over)

62-16114

I. Reinhold, H.
II. Rood, M. de
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Reinhold, H. and Branninger, Helmut.
ELECTRICAL CONDUCTIVITY AND DIFFUSION IN
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(figs. omitted) 11 refs.
Order from SLA \$1.60

62-20248

Trans. of Z[eitschrift für] Physik[alische] Chem[ie].
Leipzig (Germany) 1938, v. 41B, p. 397-426.

DESCRIPTORS: *Copper alloys, *Tellurium alloys,
*Semiconductors, *Electrical conductance, *Diffusion,
Thermoelectricity.

The specific conductivities of the semimetallic alloys
of the compositions $\text{Cu}_{1.95}\text{Te}$, $\text{Cu}_{1.87}\text{Te}$, $\text{Cu}_{1.80}\text{Te}$
and $\text{Cu}_{1.71}\text{Te}$ were measured in the temperature range
from -400° to -180°C in dependence on the prelimi-
nary thermal treatment of the alloys. They are of the
order of magnitude of 10^3 to $10^4 \text{ ohm}^{-1} \text{ cm}^{-1}$. The
thermoelectric powers of the cells: Pt Cu_{2-x}Te were
(Physics--Solid State, TT, v. 9, no. 8) (over)

I. Reinhold, H.
II. Branninger, H.
III. Title: Cu_{2-x}Te

Office of Technical Services

measured in the temperature range from 100° to -150°C in dependence on the preliminary thermal treatment of the alloys. The constants of propagation diffusion were measured in the region of the three enantiotropic phases of the alloy. The order of magnitude amounted to 10^{-2} to $1\text{ cm}^2\text{ day}^{-1}$. The electrolytic transport numbers of the alloys of the compositions $\text{Cu}_{1.85}\text{Te}$ and $\text{Cu}_{1.77}\text{Te}$ were determined at 410°C ($\alpha\text{-Cu}_{2-x}\text{Te}$) and at 335°C ($\beta\text{-Cu}_{2-x}\text{Te}$). They are of the order of magnitude of 10^{-4} . The existence of predominating defect conductivity of electrons and Cu^{+} ions was concluded from the results. (Author)

PB-

62-20248

<p>Reinhold, H. and Seidel, H. CONDUCTION OF ELECTRICITY AND DIFFUSION IN SEMIMETALLIC ALLOYS. II. $\text{Cu}_2\text{-xSe}$. [1962] 18p. (figs. omitted) 25 refs. Order from SLA \$1.60</p> <p>62-20247</p> <p>Trans. of Zeitschrift für Physik[allache] Chemie, Leipzig (Germany) 1937, v. 38B, p. 245-269.</p> <p>DESCRIPTORS: *Copper alloys, *Selenium alloys, *Semiconductors, *Electrical conductance, *Diffusion, Thermoelectricity.</p> <p>(See also 62-20246)</p> <p>(Physics--Solid State, TT, v. 9, no. 8)</p>	<p>62-20247</p> <p>I. Reinhold, H. II. Seidel, H. III. Title: $\text{Cu}_2\text{-xSe}$</p> <p>4436634</p> <p>Office of Technical Services</p>
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Reinhold, H. and Schmitt, Karl.
CONDUCTION OF ELECTRICITY AND DIFFUSION
IN SEMIMETALLIC ALLOYS. IV. ELECTRICAL
CONDUCTIVITY AND THERMOELECTRIC POWER
OF α -SILVER SULFIDE. [1962] 21p. (figs. omitted)
22 refs.

Order from SLA \$2.60

62-20458

Trans. of Zeitschrift für Physik[alische] Chem[ie],
Leipzig (Germany) 1939, v. 448, p. 75-97.

DESCRIPTORS: *Sulfides, *Silver compounds,
*Thermoelectricity, *Electrical conductance, *Semi-
conductors, *Diffusion.

(See also 62-20248)

(Physics--Solid State, TT, v. 9, no. 8)

62-20458

I. Reinhold, H.
II. Schmitt, K.
III. Title: Electrical ...

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Rate of Formation and Electrical Conductivity
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Understanding of the Tarnishing Process, by H.
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GERMAN, per, Z fuer Physikalische Chemie, Vol
Vol XXVIII, 1935, pp 178-183. 9097890

AEC UCRL Tr-756(L)

Sci - Phys, Chem
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Some Problems on Testing Scale Formed in Differently
Fired Furnaces, by M. Reinhold.

HUNGARIAN, per, Kohaszati Lapok, Vol XIV, Aug 1959,
pp 381-383.

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SI 1741-2296

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Book Review of the New Textbook, Rundamentals of
Marxism-Leninism, by Otto Reinhold.

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Cutting Ceramics for the Manufacture of Machine
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GERMAN, per, Fertigungstechnik und Betrieb
Vol X, No 11, Nov 1960, pp 679-683, 695.

JPRS 7948

EEur- German

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The behavior of atmospheric-electric fields
during Precipitation at Different Altitudes, from
a Synoptic Point of View, by Reinhold Reiter, 49 pp.

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pp 63-75.

Amer Meteorol Soc
AF Cambridge Res Center

Ecl - Geophys

Jan 60

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The Mechanism of Sedimentation on Tidal Flats, by
Th. Reinhold.

DUTCH, par, Mededel Geol Sticht (N.S.), No 3,
1948-1949, pp 75-80.

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THE PROBLEM OF THREAD CLEANING. [1961] 6p.
(5 figs. omitted).
Available on loan from SLA

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1954, v. 4, no. 11, p. 641-642.

(Materials--Textiles, TT, v. 5, no. 12)

61-14555

1. Threads--Cleaning
2. Threads--Production
1. Reincke, A.

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Presence in France of Human Infections of the
Coxsackie Group (Virus C). Isolation of the Virus,
by P. Lepine, S. Thieffry, L. Reinie, V. Sautter,
Mme. Martin, 6 pp.

Full ^{AN}translation.

FRENCH, per, Ann Inst Pasteur, Vol LXXX, 1951,
pp 200-203.

CIA/FDD/X-722

WE - France

Scientific - Medicine, Coxsackie Group, Virus

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On Disturbances of Eye Development in Rat
Embryos by Oxygen Deficiency in Early Pregnancy,
by A. Werthemann, M. Reiniger, 31 pp.

GERMAN, per, Acta Anat, Vol XI, 1950, pp 329-347.

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Sci - Med
Sep 59

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Flame Spraying of Metals, by H. Reininger. 411

GERMAN, per, Metallwissenschaft und Technik, Vol XIV,
No 2, 1960, pp 115-125.

JPRS/DC-8214

Sci - Engr. - Min/Met

Nov 62

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Testing and Evaluation of Binders for Foundry Sands,
by Reininger *H*

GERMAN, per, Giesserei-Praxis, Vol LXXV, 25 Apr 1957,
pp 176-181.

Dist. Sec. 1.1.1
~~Comp. Sec. 1.1.1~~ Tr 704
(52.15.6)

Sci - Engr
Jan 58

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SLA 61-16223

**Corrosion-Protection by Sprayed-on Metal-
Coatings, by Hans Reiningger, Rudi Schandau, 53pp
GERMAN, per, Verfahrenstechnik und Korrosion, Vol 4,
1953, No 5, pp 156-172
SEA 73-64-20505
SEA 73-62-18248, 26pp**

Hans Reiningger

Sci - Meta
June 67

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Cold Sprayed Powder Coating, by H. Reininger,
9 pp.

GERMAN, per, Deut Farben Zeit, Vol XII,
No 11, 1958, pp 437-442.

OTB 60-16573

Sci

10 Mar 62

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Vol 4, No 4

Reininger, H.

CORROSION PROTECTION BY SPRAYED-ON METAL-
LIC COATINGS. [1962] 26p. (figs. tables refs. omit-
ted).

Order from SLA \$2.60

62-18248

Trans. of Werkstoffe und Korrosion (West Germany)
1953, v. 4, p. 156-172.

DESCRIPTORS: *Corrosion inhibition, *Metal coatings, Surface properties, Paint sprayers, Adhesion.

(Metallurgy--Corrosion, TT, v. 9, no. 4)

62-18248

I. Reining, H.

C227725

Office of Technical Services

Reininger, H.

POWDERED COLDSpray PROCESS. (1962), 10 p.
(figs. tables omitted) 9 refs.
Order from SLA \$1.10

62-1654

Trans. of Werkstoffe und Korrosion (West Germany)
1956, v. 7, no. 5/9, p. 453-460.

DESCRIPTORS: *Coatings, Powders, Sprays, *Paint
sprayers, Spray nozzles. *Corrosion inhibition.

A two-nozzled cold-spraying gun is described by means of which it is possible to spray suitable metallic and non-metallic powder and any mixtures, both together with a binding agent under six atmospheres in order to make protective coatings. Smooth metallic surfaces must be previously rendered rough by sanding, and fine spraying of 0.05 to 0.1mm thickness layers has proved to be suitable as an intermediary layer. (Author)
(Metallurgy--Corrosion, TT, v. 9, no. 3)

62-1654

H. Reininger, H.

C227534

Office of Technical Services

Measuring of Metallized Coat Thickness in the
Workshop, by H. Reininger, 6 pp.

GERMAN; par, Metalloberflache, Vol VIII, No 4,
1954, pp 55-61.

SIA Tr 57-2009

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Jul 58

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REININGER, H.

Sprayed-Metal Coating According to Cauchetier Process. MET

METALLOBERFLACHE, vol 4, 1950, No 8, pp A119-A121;
2200 words.

Brutcher No 2577, \$ 4.40

A 9801

N-10/66

The Importance of Echos From the Sporadic
E-Layer in Pulsed Transmission Over 1,700
Kilometers (Athens to Breisach), by
Bodo Reinisch, (SF-3910)
GERMAN, per, A. E. Ue, Vol XIX, No 7, 1965,
pp 361-366.
*JPRS

Sci
Oct 65

Method to Determine Optimum Correction Factors for
Linear Single- Loop Control Circuit, by Karl Reinisch,
16 pp.

CZECH, bk, Souhrn Praci o Automatizaci, Nakladatelstvi
Ceskoslovenske Akademie Ved, Praha, 1961, pp 19-34.
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FTD-TT-63-387

Sci-Electronics

Sep 63

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Trend of Developments in German Structural
Steelwork, by F. Reinitzhuber.

GERMAN, per, Technische Mitteilungen Krupp,
Vol XX, No 1, 1961, pp 29-38.

BIBI 2584

WZur - Germany

Econ

189,082

Mar 62

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Reinius, Erling.

A THEORY OF THE DEFORMATION AND THE
FAILURE OF CONCRETE. [1961] 31p. 10 refs.
Order from SLA \$3.60 61-18957

Trans. of Betong (Sweden) 1955, v. 40, no. 1,
p. 15-43.

DESCRIPTORS: *Concrete, Deformation, Failure
(Mechanics), Physical properties, Rupture, Theory,
Stresses.

A theory is proposed to explain the behaviour of con-
crete - the nature of rupture and crack formation, de-
formation in connection with rupture, the variation of
Poisson's ratio under an increasing load, the function
of reinforcement in the case of spiral reinforcement of
columns, etc.

(Materials, TT, v. 6, no. 12)

61-18957

I. Reinius, E.

Office of Technical Services

A Theory of the Deformation and the Failure of
Concrete, by Erling Reinus.

SWEDISH, per, Betong, Vol I, 1955, pp 31 pp.

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Sci - Engr
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THE NEW RAILROAD FERRY "HARBORIDE", BY ALFON
REINH, 22 PP.

GERMAN, PER, DER OPERATIVE DIENST, NO 5, 1963,
PP 150-152, NO 6, 1963, PP 206-208.

JPRS 20478

EL-GERMAN
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On the Determination of Point of
Support in the Production of Shovel-
like Body by Path Controlled Mill, by
H. Clausen, P. Reinke.
GEMME, per, Elektronische Daten-
verarbeitung, Vol 7, no 2, 1965,
pp. 73-80
NTC 69-10615-098

P. Reinke

Sci-Elec
July 69

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V On the Origin and History of Turkish Red, by
Karl Reinking, Sabri Atayolu, 16 pp. UNCLASSIFIED

GERMAN, per, Melland Textilberichte, Vol XVIII,
1937, pp 382-384; 459-460. CIA D151100

Navy Tr 1116/BuShips 571-A

Scientific - Chemistry, Dye

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SLA 58-1059

Reinkober, O.
MECHANICAL STRENGTH AND ELASTICITY OF
THIN QUARTZ FIBERS [PT. III]. [1961] 26p. (7 figs.
omitted) 27 refs.
Order from SLA mi\$2.70, ph\$4.80 61-10846
Trans. of Physikalische Zeitschrift (Germany) 1937,
v. 38, p. 112-122.

(Unannounced)

61-10846

1. Quartz fibers--Elasticity
2. Quartz fibers--
Mechanical properties
1. Reinkober, O.

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THE ELASTIC AND MECHANICAL PROPERTIES OF
THIN QUARTZ FIBRES, PT. II. [1961] 17p. (2 figs.
omitted) 7 refs.
Order from SLA mi\$2. 40, ph\$3. 30 61-10845

Trans. of Physikalische Zeitschrift (Germany) 1932,
v. 33, p. 32-38.

(Unannounced)

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1. Quartz fibers--Elasticity
2. Quartz fibers--
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1. Reinkober, O.

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Texture in the Ferrous Scale XI. A Study of Scales
Forming during Oxidation of Iron in Carbon
Dioxide, by V. I. Arkharov, V. P. Mar'evich, M.
Reinkol'd, M. I. Simonova, 3 pp.

RUSSIAN, per, Fiz Metal i Metall, Vol V, No 2,
1957, pp 251-254.

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Sci - Min/Met
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The Electrolytic Separation of Chromium From Aqueous
Chromic Acid Solutions Containing Foreign Ions, by
D. Reinkowski, C. A. Knorr, 14 pp.

GERMAN, per, Z. fur Elektrochem, Vol LVIII, No 9,
1954, pp 709-718.

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Practical Experience in the Prophylaxis of Acute
Cardiac Standstill, by J. Reimuller, 16 pp.

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pp 1659-1662.

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Sci - Med
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Alcohols From Olefins, by E. Reinmuth, 15 P.
GERMAN, per, Chemiker Zeitung, Vol LXXVI, No 11/12,
1952, pp 248-251.
SIA TF 66-10622

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303,708

Sci-Chem
Jul 66

SCANDAL IN THE PTJ (JUDICIAL TECHNICAL POLICE),
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SPANISH, PER, ELITE, 1 JUN 1963, PP 32-33.

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